

**Abstract ABSTRACT OF THE DISCLOSURE**

The present invention relates to a process for the preparation of unsaturated or saturated fatty acids and a process for the preparation of triglycerides with an increased content of unsaturated or saturated fatty acids.

The invention furthermore relates to a nucleic acid sequence; a nucleic acid construct, a vector and organisms comprising at least one nucleic acid sequence or one nucleic acid construct. Furthermore, the invention relates to saturated or unsaturated fatty acids and triglycerides with an increased content of unsaturated or saturated fatty acids and their use.